

SENIOR NETWORK SYSTEMS SPECIALIST*Class Definition*

Under general supervision, establishes, monitors and maintains integrated data networks; analyzes overall network performance to ensure effective communication between all computer platforms, distributed networks and personal computers; and provides network operating system technical support involving more complex issues.

Distinguishing Characteristics

Senior Network Systems Specialist is an advanced working, lead class in the Network Systems Specialist series. Assigned to the Information Systems Division, the incumbent reports to the Network Systems Supervisor and provides lead direction to Network Systems Specialists who monitor and control the data and computer communications networks. The incumbent coordinates the provision of technical assistance to user departments and Information Systems Division staff and the analyses of overall network performance, and may assist in identifying and resolving more complex operating system problems. This class differs from the Network Systems Specialist in that incumbents of the latter do not have lead responsibilities and function with less independence.

Typical Tasks

(This list is neither inclusive nor exclusive. Consequently, this information may not reflect Essential Functions for this class.)

Provides lead technical direction in evaluating requests for hardware and software which involve the use of distributed networks, local area networks, data transfer between operating systems, and other types of data networks.

Meets with user departments; provides guidance in analyzing operating systems to determine network requirements; prepares reports of analyses.

Recommends and reviews recommendations of appropriate hardware, software and network configurations for the most efficient use of equipment.

Provides lead technical assistance to user departments, and Information Systems Division technical staff regarding network problems.

Guides installation and evaluation of network systems, diagnosis of network problems, and evaluates recommended modifications.

Provides lead technical assistance in maintenance and repair of network equipment.

Provides cost estimates of equipment to be purchased.

Performs related duties as required.

Knowledge, Abilities, and Skills

Extensive knowledge of computer network systems, network alternatives, and their uses.

Extensive knowledge of local area networks, wide area networks, Internet and Intranets.

Knowledge of mainframe communication methods.

Ability to analyze functional network requirements and specifications for computer hardware and software.

Ability to direct installation, maintenance, and repair of network systems and equipment.

Ability to establish and maintain effective working relationships with co-workers and representatives of user departments.

Ability to communicate effectively, both orally and in writing.

Minimum Qualifications

Two years of experience equivalent to that gained as a Network Systems Specialist with the City of Fresno; or Certified Novell Engineer (CNE) or Microsoft Certified Systems Engineer and two years experience which includes implementation of network or automated system applications and equipment, and project management; or graduation from an accredited college or university with a Bachelor's Degree in management information systems, computer sciences or related field and three years of full time paid work experience which includes implementation of network or automated system applications and equipment, and project management. Additional qualifying experience may be substituted for the required education on a year-for-year basis.

Special Requirement

Possession of a valid California Driver's License may be required.

APPROVED: _____

Director

DATE: _____